

# PRECISION AGRICULTURE

## WHAT IS PRECISION AGRICULTURE?

Precision Agriculture is a study of the basic principles of Geographic Information System (GIS) and Global Position System (GPS) and how the systems, along with the currently available and emerging technologies, are applied to the site-specific management of production agricultural resources, as a producer, advisor, or technician in the Precision Agricultural Field.

### Certificate B 34 Credit Hours

|        |  |
|--------|--|
| AB 114 | Agriculture Orientation (2)                  |
| AB 128 | Agriculture Electronic Devices & Systems (3) |
| AB 130 | Precision Farming Systems (3)                |
| AB 132 | Agricultural Data Management Systems (3)     |
| AB 134 | Precision Farming Hardware (3)               |
| AB 136 | Introduction to Agricultural GIS (3)         |
| AB 138 | Remote Sensing (3)                           |
| AB 142 | Field Mapping for Decision Making (3)        |
| AB 144 | Intermediate Agricultural GIS (3)            |
| AB 146 | Aerial Systems Management (2)                |
| AB 148 | Positioning Systems Management (3)           |
| AB 244 | Precision Agriculture Capstone (3)           |

### Associate in Applied Science Certificate B + 31 Credit Hours, 65 Total

|  |                                  |
|--|----------------------------------|
| AB 126                                     | Principles of Agronomy (3)       |
| AB 202                                     | Agriculture Economics (3)        |
| or   |                                  |
| AB 224                                     | Range Management (3)             |
| AB 203                                     | Soils and Soils Lab (4)          |
| AB 227                                     | Agriculture Microcomputer (3)    |
| or   |                                  |
| BUS130                                     | Microcomputer Applications I (3) |
| ENG101                                     | Composition I (3)                |
| ENG102                                     | Composition II (3)               |
| or   |                                  |
| SP 106                                     | Public Speaking (3)              |
| Any Humanities & Fine Arts course (3)      |                                  |
| Any PE course (1)                          |                                  |
| PS 107                                     | General Chemistry w/ Lab (5)     |
| Any Social & Behavioral Science course (3) |                                  |

## CAREERS IN PRECISION AGRICULTURE

Students completing a certificate or degree program in Precision Agriculture will be more competent in their own farm operations or can obtain positions such as Precision Agriculture Technicians (implement dealers), Crop Specialists, Nutrient Management Specialists, Precision Agriculture Department Managers, Precision Agronomists, and Precision Farming Coordinators.

## CONTACT

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# AGRICULTURE

## Associate in Applied Science

### Agribusiness

The Agribusiness program is for students who want to work in some aspect of agricultural sales and service. A successful background in sales and service could also lead to management positions at agricultural products plants, corporate divisions, or retail operations.

## Associate in Arts (Transfer)

### Agronomy

Agronomy is a transfer program for students interested in a career working with field crops. Agronomists strive to improve the quality and yield of crops by developing new growth methods or controlling diseases, pests, and weeds.

### Agriculture Education

Agriculture Education is a transfer program for students who want a career teaching the basic principles of agriculture. Agriculture educators offer classes that cover the information and skills needed in a variety of agriculture pursuits.

### Agriculture Economics

Agricultural economists study how farm resources such as land, raw materials, machinery, and labor are used to provide goods and services. Their research helps determine the costs and benefits of making, distributing, and using resources in a particular way.

### Animal Science

Animal Science is a transfer program for students interested in a career in the livestock industry, which could include specialization in management, breeding, selection, nutrition, meat science, biotechnology, or veterinary medicine.



## CONTACT

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